Portable Conductivity/TDS/Salinity Meter LX101PCT

Email: info@labdex.com **website:** www.labdex.com

Description

Portable Conductivity/TDS/Salinity meter LX101PCT is a microprocessor-based meter with automatic or manual temperature compensation that provides high-accuracy results. It simultaneously displays the values of the required parameters. Provision for 3 points automated push-button calibration. Meter factory reset function to reset factory default settings and data logs for convenient operation.

Specifications

Conductivity range	0 ~ 19.99 µS/cm 20 µS/cm ~ 199.9 µS/cm 200 µS/cm ~ 1999 µS/cm 2 mS/cm ~ 19.99 mS/cm 20 mS/cm ~ 199.9 mS/cm
Conductivity accuracy	1 % FS
Conductivity electrode	Glass conductivity (LX8001) Glass conductivity (LX8002)
Conductivity electrode cell constant	1 ± 0.1 cm-1 10 ± 1 cm-1
Conductivity cell constant	0.1, 1.0, 10
TDS range	0 ~ 9.999 mg/l 10 mg/l ~ 99.99 mg/l 100 mg/l ~ 999.9mg/l 1000 mg/l ~ 9999mg/l
Salinity range	0 ~ 80 ppt
Salinity solution	0.1 ppt
Temperature range	0 ~ 99.9 °C

Temperature resolution	0.1 °C
Temperature accuracy	± 0.5 °C
Temperature compensation	0 ~ 60 °C auto/manual
Temperature coefficient	0 ~ 3 %
Ambient temperature	5 °C ~ 45 °C
Input connector type	BNC
Input connector diameter	3.5 mm
Power	100 V ~ 240 V DC 9 V 500 mA
Memory	500 sets

Features

- Auto ranging capabilities
- Automatic temperature compensation
- Having 2 cell constant (0.1, 1.0, 10.0) user can choose for different range measurements
- Auto sleep function
- Self-diagnostic trouble shoot
- Auto standard solution recognition
- Low battery indicator
- USB communication interface via data transfer

Applications

- Used for measuring Conductivity, TDS and salinity for surface and impure water.

Electrode Specifications

Conductivity electrode	Glass conductivity (LX8001)
	Glass conductivity (LX8002)
Cell constant	1 ± 0.2 cm-1
	10 ± 2 cm-1
Dimensions	12 mm × 155 mm
Material	Glass / Pt

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

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